



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 08/21/2019	EPA Reg No./File Symbol 42750-244	Page 1 of 6			
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 <sup>th</sup> Street Ankeny, IA 50021	Product Clethodim TGA1				
Ingredient Clethodim CAS # 99129-21-2					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.1550	Product Identity and Composition	50920002	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the Product	50920002	Albaugh	OWN	
830.1620	Description of Production Process	50920002	Albaugh	OWN	
830.1650	Description of Formulation Process				Not req'd <sup>1</sup>
830.1670	Description of Formation of Impurities	50920002	Albaugh	OWN	
830.1700	Preliminary Analysis	50920001	Albaugh	OWN	
830.1750	Certified Limits	50920002	Albaugh	OWN	
830.1800	Enforcement Analytical Method	50920001	Albaugh	OWN	
830.6302	Color	48881405	Albaugh	OWN	
830.6303	Physical State	48881405	Albaugh	OWN	
830.6304	Odor	48881405	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	48881405	Albaugh	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	48881405	Albaugh	OWN	
830.6315	Flammability				Not req'd <sup>1</sup>
830.6316	Explosibility				Not req'd <sup>1</sup>
830.6317	Storage Stability				Waiver <sup>2</sup>
830.6319	Miscibility				Not req'd <sup>1</sup>

Signature	Name and Title Ailis Gregory Manager, Registration Technical Services	Date 08/21/2019
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Ingredient Clethodim CAS # 99129-21-2					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.6320	Corrosion Characteristics				Waiver <sup>2</sup>
830.6321	Dielectric Breakdown Voltage				Not req'd <sup>1</sup>
830.7000	pH	48881405	Albaugh	OWN	
830.7050	UV/Visible Absorption	48881405	Albaugh	OWN	
830.7100	Viscosity	48881405	Albaugh	OWN	
830.7200	Melting Point/Melting Range				Waiver <sup>3</sup>
830.7220	Boiling Point/Boiling Range	48881405	Albaugh	OWN	
830.7300	Density/Relative Density/Bulk Density	48881405	Albaugh	OWN	
830.7370	Dissociation Constants in Water	48881405	Albaugh	OWN	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Waiver <sup>4</sup>
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Waiver <sup>4</sup>
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography	48881405	Albaugh	OWN	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	48881405	Albaugh	OWN	
830.7860	Water Solubility, Generator Column Method				Waiver <sup>5</sup>

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Ingredient Clethodim CAS # 99129-21-2					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.7950	Vapor Pressure	48881405	Albaugh	OWN	
870.1100	Acute Oral Toxicity – Rat	49052901	Albaugh	OWN	
870.1200	Acute Dermal Toxicity - Rat	49052902	Albaugh	OWN	
870.1300	Acute Inhalation Toxicity - Rat	49052903	Albaugh	OWN	
870.2400	Primary Eye Irritation - Rabbit	49052904	Albaugh	OWN	
870.2500	Primary Dermal Irritation	49052905	Albaugh	OWN	
870.2600	Dermal Sensitization	49052906	Albaugh	OWN	

Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for Clethodim:

Clethodim Generic Data	Cite-All	Aceto (2749)	PAY	
Clethodim Generic Data	Cite-All	Wilbur-Ellis (2935)	PAY	
Clethodim Generic Data	Cite-All	Helena Chemical (5905)	PAY	
Clethodim Generic Data	Cite-All	Ritter Chemical (9468)	PAY	
Clethodim Generic Data	Cite-All	Adama Agan (11603)	PAY	
Clethodim Generic Data	Cite-All	Loveland Products (34704)	PAY	

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Ingredient Clethodim CAS # 99129-21-2					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Clethodim Generic Data	Cite-All		Helena (38167)	PAY	
Clethodim Generic Data	Cite-All		BASF Sparks (51036)	PAY	
Clethodim Generic Data	Cite-All		USDA (56228)	PAY	
Clethodim Generic Data	Cite-All		Valent USA (59639)	PAY	
Clethodim Generic Data	Cite-All		Adama (66222)	PAY	
Clethodim Generic Data	Cite-All		Arysta Lifescience (66330)	PAY	
Clethodim Generic Data	Cite-All		SDTF (66607)	PAY	
Clethodim Generic Data	Cite-All		ORETF (71754)	PAY	
Clethodim Generic Data	Cite-All		ARTF (71755)	PAY	
Clethodim Generic Data	Cite-All		Nisso BASF (72056)	PAY	
Clethodim Generic Data	Cite-All		FIFRA ESTF (73989)	PAY	
Clethodim Generic Data	Cite-All		AHETF (71754)	PAY	
Clethodim Generic Data	Cite-All		Rotam (83100)	PAY	
Clethodim Generic Data	Cite-All		Winfield (83222)	PAY	
Clethodim Generic Data	Cite-All		Tacoma (83520)	PAY	
Clethodim Generic Data	Cite-All		Amtide (83851)	PAY	
Clethodim Generic Data	Cite-All		Futurefuel (83935)	PAY	

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Ingredient Clethodim CAS # 99129-21-2					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Clethodim Generic Data	Cite-All		Tide (84229)	PAY	
Clethodim Generic Data	Cite-All		GESTF (84653)	PAY	
Clethodim Generic Data	Cite-All		Redeagle (85678)	PAY	
Clethodim Generic Data	Cite-All		Willowood, LLC (87290)	PAY	
Clethodim Generic Data	Cite-All		Axss Tech (87427)	PAY	
Clethodim Generic Data	Cite-All		Willowood Clethodim (87812)	PAY	
Clethodim Generic Data	Cite-All		Pesticide Delivery Systems (88888)	PAY	
Clethodim Generic Data	Cite-All		Ontario, Inc (89547)	PAY	
Clethodim Generic Data	Cite-All		Greenfields (89966)	PAY	
Clethodim Generic Data	Cite-All		AmClethodim (92768)	PAY	
Clethodim Generic Data	Cite-All		Axill Solutions (93809)	PAY	

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Footnote 1

- 830.1650 Formulation Process
- 830.6315 Flammability
- 830.6316 Explodability
- 830.6319 Miscibility
- 830.6321 Dielectric Breakdown
- 830.7100 Viscosity

This data is not required for Technical Grade products per Product Properties Test guidelines OCSPP 830.1000 (e)(2)(xi)(B) Table 2.

Footnote 2

- 830.6317 Storage stability
- 830.6320 Corrosion characteristics

Because Clethodim TGA is immediately converted into a MUP product as part of integrated production process and never packaged, stored or transported, Albaugh requests that the Agency waive these guidelines for the technical form and instead reference the data for Albaugh's Clethodim 37% MUP (EPA Reg. No. 42750-84) submitted under MRID 46789001.

Footnote 3

- 830.7200 Melting Point. Albaugh requests a waiver for this data requirement. Clethodim TGA is not a solid.

Footnote 4

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

Footnote 5

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.